

20000126.qrp v01_n712.qrl.20000126

Date: Wed, 26 Jan 2000 19:03:12 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1712

QRP-L Digest 1712

Topics covered in this issue include:

- 1) [61308] Building the Emtech NW-40
by "Harsha K" <bravado@angelfire.com>
- 2) [61309] WTB: KnightSMite
by "Alan Fryer" <n3bj@hotmail.com>
- 3) [61310] Re: HB:Dan's Kits Centennial Transceiver?
by K2UD@aol.com
- 4) [61311] Re: Building the Emtech NW-40
by "Ken Hanks" <captnfd@yahoo.com>
- 5) [61312] QRP Quarterly
by Fred Lesnick <flesnick@tbaytel.net>
- 6) [61313] Re: [Elecra] Transverters with K2
by AC6JA@aol.com
- 7) [61314] RE: Kenwood TS140 missing parts
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 8) [61315] Re: generator kit
by The Boices <kw1nd@arrl.net>
- 9) [61316] Re: Cliff Dweller Antenna ?
by Marty Watt <N5NW@midsouth.rr.com>
- 10) [61317] NJQRP Club Meeting Keyer
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 11) [61318] QRP-quarterly
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 12) [61319] Re: generator kit
by "Don Wilhelm" <w3fpr@arrl.net>
- 13) [61320] Re: QRP-quarterly
by Monte Stark <ku7y@dri.edu>
- 14) [61321] Re: FYBO 2K de WQ3RP
by KB0R@aol.com
- 15) [61322] Re: QST article on 75A-4... Urban legend???
- by "Carlos J. Caro" <cjcaro@nail.com>
- 16) [61323] Re: Small transmitting loops
by "muleskiner" <muleskiner@gateway.net>
- 17) [61324] XCVR: RedHot40 is ON THE AIR!!
by K7GT@aol.com
- 18) [61325] Fox: FIRST REPORT
by "Walt Amos" <k8cv@netzero.net>
- 19) [61326] Re:Feedline Losses -- Procedure and Closure.

- by Ed Loranger <we6w@netzero.net>
- 20) [61327] Re: QRP Get Together Wednesday Night
by "Bob Tellefsen" <n6wg@earthlink.net>
- 21) [61328] Re: HB: Building Techniques
by "Leon Heller" <leon_heller@hotmail.com>
- 22) [61329] HB: (Long) Grounding question
by Bill Lazure <blazure@wstm.com>
- 23) [61330] final log 1/21 N7CQR
by Dan Presley <talljazz@teleport.com>
- 24) [61331] FYBO: W7TAO op
by Bruce Grubbs N7CEE <n7cee@arrl.net>
- 25) [61332] Re: Slightly OT: Free Logging Software-Nice!
by Bruce Rattray <rattray@gpfn.sk.ca>
- 26) [61333] Wattmeter/antenna tuner
by Mercxx@aol.com
- 27) [61334] Building techniques
by "Bergeson, Hal" <Hal.Bergeson@ppcc.cccoes.edu>
- 28) [61335] Re:Feedline Losses -- Procedure and Closure.
by "Bob Tellefsen" <n6wg@earthlink.net>
- 29) [61336] Q measurement challenge
by "Bob Tellefsen" <n6wg@earthlink.net>
- 30) [61337] Gel-Cell Question
by Chris Cartwright Sr <ccart@phideaux.com>
- 31) [61338] Re: Cliff Dweller Antenna ?
by "James C. Owen, III" <k4cgy_list@yahoo.com>
- 32) [61339] OPERATING: 10 AM QRP?
by lnrr@juno.com
- 33) [61340] FISTS
by David Heintzleman <pstrdave@kdsi.net>
- 34) [61341] RE: Gel-Cell Question
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
- 35) [61342] Re: generator kit
by "Mike Yetsko" <myetsko@insydesw.com>
- 36) [61343] Re: Building techniques
by Bruce Muscolino <w6toy@erols.com>
- 37) [61344] Re: WHAT, NO CHART?
by Goran Hosinsky <hosinsky@royac.iac.es>
- 38) [61345] Re: WHAT, NO CHART?
by Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
- 39) [61346] WM-2 accuracy
by Rod Cercone <n0rc@yahoo.com>
- 40) [61347] Re: generator kit
by "Christopher Cox" <cobox@urec.net>
- 41) [61348] Re: WHAT, NO CHART?
by Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
- 42) [61349] 160 RFI Sources
by "Chuck Carpenter" <w5usj@globeco.net>
- 43) [61350] NorCal Paddle Kit

by Joel Malman <malman@world.std.com>
44) [61351] Re:Feedline Loss Measurements.
by Ed Loranger <we6w@qsl.net>
45) [61352] 160m RFI
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
46) [61353] FOX Alert: Official Warning - Just the Facts
by "Franco, Nicholas J" <franco@bnl.gov>
47) [61354] Re: Q measurement challenge
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
48) [61355] ARCI Board of Director elections
by "Larry H. Lyda" <wa4pjp@volstate.net>
49) [61356] Re: Gel-Cell Question... TNX
by Chris Cartwright Sr <ccart@phideaux.com>
50) [61357] F.S. 2N2222 transistors
by DENNYV@CLARITYCONNECT.COM
51) [61358] Elmers in PA?
by "Ed Manuel (N5EM)" <n5em@flash.net>
52) [61359] Which is best chargeable Battery Pack!
by "Mike Pupeza" <mpupeza@softecsys.net>
53) [61360] Small Transportable Antenna
by EHolt12334@aol.com
54) [61361] F.S. Shack Cleaning
by Lee Pruitt <pruitt@totacc.com>
55) [61362] Re: Small Transportable Antenna
by Bruce Muscolino <w6toy@erols.com>
56) [61363] QRQ Net Survey.
by Ed Loranger <we6w@qsl.net>
57) [61364] Gold Mercury Paddle
by Chris Cartwright Sr <ccart@phideaux.com>
58) [61365] Re: Building the Emtech NW-40
by "Harsha K" <bravado@angelfire.com>
59) [61366] Re: Gold Mercury Paddle
by "The One and Only!" <mitch96@pobox.com>
60) [61367] Re: OPERATING: 10 AM QRP?
by "Mike Duke" <k5xu@concentric.net>

Date: Tue, 25 Jan 2000 16:18:36 -0800
From: "Harsha K" <bravado@angelfire.com>
To: qrp-l@Lehigh.EDU
Subject: [61308] Building the Emtech NW-40
Message-ID: <MGPOHKLPIMPDBAAA@angelfire.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

Greetings,

I'm about to embark on building my first xcvr (an Emtech NW-40). I've been searching for information on the web for any experience/s posted by people who have built them successfully. But, I have'nt found any such info on the web. If there are any sites that you are aware of with hints/how-to on building the NW40, please let me know. For the QRPers here on the list who have built one, it would be very helpful if you could share your experience on the web.

Thanks in advance for any info/help.

73s,
Harsha

KK7VI

Angelfire for your free web-based e-mail. <http://www.angelfire.com>

Date: Tue, 25 Jan 2000 16:24:35 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [61309] WTB: KnightSMite
Message-ID: <20000126002435.55283.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Anyone have an unbuilt or built KnightSMite xcvr that is surplus ? Please let me know. Non-working/partial unit OK.

Alan, N3BJ
Bent Mountain, VA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 25 Jan 2000 19:31:40 EST
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [61310] Re: HB:Dan's Kits Centennial Transceiver?
Message-ID: <92.9f84a9.25bf9a6c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

If you wish to build a "performing" 75M SSB QRP rig, look back in QRPP for the Epiphyte or Epiphyte 2 (there even exists an EP-2B PCB). Or wait for the Epiphyte 3 to be kitted by NorCal (when?).

Built the Epiphyte and the EP2. They are both stable, selectivity is good for SSB work on 75M, put out 5W. I used Doug Hendricks LC VFO for the original Epiphyte using NPO capacitors where called for. Doesn't drift! The EP2 is varactor, mine does not drift.

You may drool over the schematics and won't be able to wait until it's done. These are cool rigs to build during the winter months and to put on the air before the summer static comes back.

72

Howard Kraus, K2UD

Date: Tue, 25 Jan 2000 19:40:44 -0500
From: "Ken Hanks" <captnfd@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [61311] Re: Building the Emtech NW-40
Message-ID: <007601bf6795\$fe06a6a0\$58138ad1@acer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Harsha:

I built a NW40 a couple of years ago. This is a high quality kit. Excellent documentation. You build and test each section one at a time. Mine actually worked the first time I powered it up! Very nice receiver. I modified mine for external adjustment of the output from 0 to 7W @13.8VDC. Otherwise, you need to remove the top cover for power adjustment. Alignment on mine was a bit touchy. The plastic tuning wand caused a cap to change value when I touched it, but once it's set, it's ready to go. I recommend the audio filter option. Really helps cut down on QRM.

I plan on using mine for the FOX hunt tonight. First time I've had a chance to look for the Fox this year.

73,

Ken Hanks K1XS

Naugatuck, CT
CaptNFD@yahoo.com
<http://www.qsl.net/k1xs>

Date: Tue, 25 Jan 2000 19:44:07 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRP Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61312] QRP Quarterly
Message-ID: <388E4357.D7C82571@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I also received my issue today, thanks to Canada Post (and was in perfect condition)... Great magazine, and articles. Looking forward to future issues.

Fred
VE3FAL

Date: Tue, 25 Jan 2000 19:49:27 EST
From: AC6JA@aol.com
To: jetstar2@uswest.net, qrp-l@lehigh.edu
Subject: [61313] Re: [Elecraft] Transverters with K2
Message-ID: <10.5d63dc.25bf9e97@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

actually i hope whoever responds does so through the list. i'm expecting a ten tec 10m to 2m transverter any day now that i hope to use with my K2 and would like to hear anyone else's luck doing the same.

mike ac6ja
K2 #028

Date: Tue, 25 Jan 2000 19:53:27 -0500
From: "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: "qrp-L" <qrp-l@LeHigh.edu>

Subject: [61314] RE: Kenwood TS140 missing parts
Message-ID: <000301bf6798\$139fe880\$04000a0a@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi to all QRP-L friends !

C05CL Armando, from Jaguey Grande in Matanzas , Cuba obtained an old Kenwood TS140, but it has some missing parts. The rig is in otherwise perfect conservation conditions. Armando's present rig is a homebrew DSB rig built from ARRL Solid State Design for the Radio Amateur book by Wes Hayward, and he can run it at 5 watts to a BD137's final , or connect it ... well, not strictly QRP , to a 6146 final. The rig is a single band for 40 meters transceiver, so it we can find the information on the missing parts, C05CL may be able to do some QRP work on other bands too...

Here is the data he gave me over the air, in the high hopes of finding a QRP-L participant or participants that may have the Technical Handbook and circuit diagrams to be able to bring the TS140S back to life...

Here is the rigs data:

Kenwood TS140S serial number 9030167 Japan 38390

The output stage circuit board has missing the following components marked Q1 Q2 Q3 , resistor R5 and two voltage regulators marked Q8 Q9

The components were neatly desoldered from the board apparently by someone that needed them for some other use !!!

Any help will most be appreciated, please send your e-mail messages directly to the following two addresses

arnie@radiohc.org

acoro@infomed.sld.cu

Any information on how to obtain the rig's circuit diagram and any other useful technical information will also be most appreciated...

Thanks in advance for your help, and my apologies for dealing with a topic not stricly QRP, but I can tell you all the when CL5CL started as a novice, and all trough his ham radio career he has proven to be an enthusiast of QRP and homebrewing, so I thought he deserves the solidarity of our group !!!

73 and DX

Arnie Coro

C02KK

Postal address:
Prof. Arnaldo Coro Antich
La Torre no.127 entre 35 y 37
Nuevo Vedado, Plaza
Ciudad Habana , 10600
CUBA

Date: Tue, 25 Jan 2000 19:55:52 -0500
From: The Boices <kw1nd@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61315] Re: generator kit
Message-ID: <3.0.6.32.20000125195552.0079f1a0@pop.megalink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 15:49 00/01/25 -0500, Mike Yetsko wrote:
>And wouldn't a small 'brush type' DC motor be a 'generator'

And where might one find small, inexpensive, low rpm brush DC motors? My former boss & I did a fair amount of poking around when we were on road trips looking for such things. We wanted them to make small demonstration wind turbines for school presentations.

All we ever came up with were brushless types. For example, every computer power supply-type box fan uses brushless motors, if they're labeled at all.

I realize the purpose of the original posting might have been for a larger unit, actually capable of producing usable power for a QRP operation. We were after ones that could maybe produce a couple of volts and a couple hundred mA, tops.

72,

Mike Boice, KW1ND
New Gloucester, Maine FN43uw

Date: Tue, 25 Jan 2000 19:14:36 -0600
From: Marty Watt <N5NW@midsouth.rr.com>
To: qrp-1@lehigh.edu
Subject: [61316] Re: Cliff Dweller Antenna ?
Message-ID: <fcis8s05ot4t6f2657odon5hffh6m4qia0@4ax.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Tue, 25 Jan 2000 13:07:55 -0400, w4bld@juno.com wrote:

>Hello Gang - Does anyone know anything about the Cliff Dweller Antenna
>and who sells this item. Thanks, Bob

Not sure if it's the correct one, but I have an "Apartment Dweller" =
antenna by
B&W. I think they still manufacture it. It's basically a 4-ft. whip =
with a
loading coil at the base and a rather unique mounting bracket.

Check out: <http://www.bwantennas.com/ap10.htm>

Hope this helps.

--

Marty, N5NW

-----=

Lakeland (Memphis), Tennessee =
<http://marty.w.tripod.com/>
N5NW@midsouth.rr.com

Date: Tue, 25 Jan 2000 20:21:45 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "njqrp@njqrp.org" <njqrp@njqrp.org>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [61317] NJQRP Club Meeting Keyer
Message-ID: <388E4C29.C1A2AAB4@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well I had the day off from work thanks to the snow. I sat down with the
Tick 3 "Ugly Construction" kit from the last NJQRP meeting and scrunched
the whole mess down onto a smaller piece of perfboard and put it into my
HW-9. I tested it tonight working Gary VE3MQP in Windsor, Ontario (Heavy
QSB on 40 tonight. Must be the weather) I opted for the perfboard over
the "ugly" route to reduce size as I still want to fit a crystal
calibrator in the case in the same area. I'm not sure if I'm happy with
where I am sending the Tick's audio line yet (The AF gain pot) but I can
play with that more the next time I lift the lid. This was a very nice
club project.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Tue, 25 Jan 2000 19:40:23 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61318] QRP-quarterly
Message-ID: <0974781F4FC8D211A24600902727E80624E54D@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Can someone tell me how I can get one of these great newsletters that y'all keep talkin' about?

Hal

Date: Tue, 25 Jan 2000 20:54:00 -0500
From: "Don Wilhelm" <w3fpr@arrl.net>
To: <kw1nd@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61319] Re: generator kit
Message-ID: <00e201bf67a0\$a90a0e20\$6ab17ed8@dbw-11-main>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Think automotive stuff for the DC motors - junk yard power window motors, heater fans, power seat motors, etc. One other source is the motor inside battery operated power tools - like the electric screwdriver/drill.

73,

Don Wilhelm -Chapel Hill, NC
W3FPR QRP-L # 485 K2 SN 0020

>

>And where might one find small, inexpensive, low rpm brush DC motors? My
>former boss & I did a fair amount of poking around when we were on road
>trips looking for such things. We wanted them to make small demonstration

>wind turbines for school presentations.

>

>All we ever came up with were brushless types. For example, every computer

>power supply-type box fan uses brushless motors, if they're labled at all.

>

>

Date: Tue, 25 Jan 2000 19:18:56 -0800 (PST)

From: Monte Stark <ku7y@dri.edu>

To: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [61320] Re: QRP-quarterly

Message-ID: <Pine.GSO.4.10.10001251917270.1691-100000@rotor.dri.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 25 Jan 2000, Deitz, Harold L. wrote:

> Can someone tell me how I can get one of these great newsletters that y'all

> keep talkin' about?

Hi Hal,

The easiest way would be to check out the web site at:

<http://www.qrparci.org/arcijoin.html>

If you don't have WEB access let me know and I'll forward
some text info to you.

Thanks for asking,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Tue, 25 Jan 2000 22:18:13 EST

From: KB0R@aol.com

To: ccart@phideaux.com, qrp-l@lehigh.edu, mnqrp-l@qth.net

Subject: [61321] Re: FYBO 2K de WQ3RP

Message-ID: <16.bb824d.25bfc175@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

WQORP(Minnesota QRP Society) will be on the air. If we don't come in first place, we'll donate that case of soup.

72/73
Larry

Date: Wed, 26 Jan 2000 03:22:41 -0000
From: "Carlos J. Caro" <cjcaro@nail.com>
To: <jennings@eng14.rochny.uspra.abb.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61322] Re: QST article on 75A-4... Urban legend??
Message-ID: <004101bf67ac\$9b83b880\$62d396d8@default>

Thomas,

The most believable legends and stereotypes are those with a grain of truth in them.

I worked for Republic Aircraft when we were building the F-105 for the Air Force. As a way to tighten up security the company announced that ALL lunch boxes, briefcases etc. would be open for inspection. This one yokel decided to cheat the security by sneaking a bench vise harnessed between his legs out the door. Guess where the harness slipped and the vise fell down ?? What he never stopped to think about was that in those days if you got fired for theft, you lost your security clearance and were also blacklisted from defense work companies.

On the other hand when I worked for Airborne Instruments Lab, bench stock was available to anyone without signatures and ANY test equipment not being used on the weekend could be checked out for home use.

Regards,

Carlos #1333

Date: Tue, 25 Jan 2000 21:26:21 -0500
From: "muleskiner" <muleskiner@gateway.net>

To: "Jerry W. O'Dell" <jwodell@ameritech.net>
Cc: "QRP" <qrp-1@Lehigh.edu>
Subject: [61323] Re: Small transmitting loops
Message-ID: <000301bf67ae\$0f7109e0\$e9790f3f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jerry,

Thank you for your question regarding what is meant by 'high efficiency'
with regard to small transmitting loops.

It is well known by those skilled in the art today that small transmitting loops operate in a range of -0.2 to -5.0 dB below 100% efficiency based on parameters of radiation resistance and loss resistance that further depend on frequency, area of the loop, length of the conductor, and conductor diameter. This is roughly a range of efficiency between the limits of 95.5 to 31.6%. Hence, as a general rule, the size of a small transmitting loop is chosen to operate with efficiencies greater than -6 dB.

Best regards,

John - WA2NZO

----- Original Message -----

From: Jerry W. O'Dell <jwodell@ameritech.net>
To: <muleskiner@gateway.net>
Sent: Tuesday, January 25, 2000 6:52 AM
Subject: Re: Small transmitting loops

> > Just wonder exactly what he means by "high efficiency" -- just curious.
> I know that the things do work, after a fashion!
>
> 73 jerry w8gnd
>
>
>

Date: Tue, 25 Jan 2000 22:54:40 EST
From: K7GT@aol.com
To: qrp-1@lehigh.edu

Subject: [61324] XCVR: RedHot40 is ON THE AIR!!
Message-ID: <24.6951c6.25bfca00@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

A quickly arranged visit to the local Oral Surgeon for some morning entertainment gave me the afternoon at home with a nearly-completed RH40.. As I wasn't in too bad of shape, i went for it. The last toroid went in about 5PM and I had the first QSO just before FOXHUNT time. First keydown gave over 1W into the wattmeter and it quickly peaked to about 6W. I believe the RX and TX oscillators are on opposite sides of zero beat (!) and the RIT controls are backwards, but it is fully functional.

To those even more clumsy and inexperienced than I, the one suggestion I would offer builders is to wind and install T7 especially and probably T8 before putting any RF stage parts in except Q18, the output transistor. I had a dickens of a time getting T7 down behind the capacitors, driver transistors, etc., and safely into the 4 holes. Other problems consisted of not tinning toroidal inductor leads closely enough to the core. It seemed fine before installing, but when snugged up the untinned portion near the core came into the PCB hole and refused to 'wet' with the solder. Some judicious cooking with flux-ridden solder fixed it, but I should have caught it before it was installed.

The RIT tunes backwards from the main tuning control. This is a quirk, apparently, that stems back to the NC20 being converted to the 40m RH40. The mixing scheme is backwards, of course, being fixed in the main tune pot by using the links for the 1T pot. But the original tuning sense remains for the RIT and is, therefore, backwards relative to the main tune. I am sure Dave will fix this one on the next PCB batch. I plan to swap R6 and R7 to the RIT pot to swap the tuning sense for the RIT.

Its a great project. Congrats, Dave!

I'm sure there will be corrections :-)

Band Pts	Date	Time	QSO#	Call worked	Sent	Rcvd	Name	Qth
----	----	----	----	-----	----	----	----	----
40CW 1	26-Jan-00	02:01	1	W0RSP	559	569	ADE 661	SD
40CW 1	26-Jan-00	02:02	2	N1LN	559	559	BRUCE 2049	TX
40CW 1	26-Jan-00	02:03	3	K1JD	559	579	JOHN 1945	RI
40CW 1	26-Jan-00	02:05	4	K5AAR	559	559	DON 1512	OK
40CW 1	26-Jan-00	02:06	5	N0EA	559	559	WAYNE 1058	MO
40CW 1	26-Jan-00	02:08	6	W0CH	559	559	DAVE 618	MO
40CW 1	26-Jan-00	02:09	7	K0EVZ	559	559	DOC 861	ND
40CW 1	26-Jan-00	02:10	8	W5SB	559	559	BILL 1279	TX
40CW 1	26-Jan-00	02:13	9	N5TW	559	559	TOM 1474	TX
40CW 1	26-Jan-00	02:14	10	K50T	559	569	LEN 5W	OK
40CW 1	26-Jan-00	02:15	11	K5RV	559	559	BRIAN 324	LA
40CW 1	26-Jan-00	02:16	12	AF4PS	559	569	MAC 704	FL

1	40CW	26-Jan-00	02:17	13	K0ZK	559	559	ARN	1679	ME
1	40CW	26-Jan-00	02:18	14	K1QM	559	579	JOEL	337	MA
1	40CW	26-Jan-00	02:19	15	K1VP	559	559	ED	1960	NH
1	40CW	26-Jan-00	02:20	16	W5YR	559	559	GEO	1373	TX
1	40CW	26-Jan-00	02:21	17	AB5UA	559	559	CLIF	478	OK
1	40CW	26-Jan-00	02:24	18	KI0II	559	549	RON	928	CO
1	40CW	26-Jan-00	02:25	19	KU7Y	559	559	RON	17	NV
1	40CW	26-Jan-00	02:26	20	AJ4Y	559	579	PAUL	1795	FL
1	40CW	26-Jan-00	02:27	21	W1XT	559	579	BOB	262	AZ
1	40CW	26-Jan-00	02:28	22	K10J	559	559	OJ	732	TX
1	40CW	26-Jan-00	02:31	23	KK5LD	559	559	DAN	205	TX
1	40CW	26-Jan-00	02:33	24	W5TFB	559	559	JACK	282	TX
1	40CW	26-Jan-00	02:34	25	K5ZI	559	559	TIM	73	NM
1	40CW	26-Jan-00	02:37	26	NK6A	559	559	DON	1517	CA
1	40CW	26-Jan-00	02:38	27	W2XN	559	339	RED	1728	FL
1	40CW	26-Jan-00	02:40	28	K5JHP	559	339	BILL	825	TX
1	40CW	26-Jan-00	02:41	29	KI7MN	559	559	BOB	271	AZ
1	40CW	26-Jan-00	02:43	30	N1TP	559	559	TOM	1317	FL
1	40CW	26-Jan-00	02:44	31	NQ7X	559	559	FLOYD	343	AZ
1	40CW	26-Jan-00	02:46	32	K4LL	559	569	TOD	3W	GA
1	40CW	26-Jan-00	02:47	33	KB7WW	559	559	ART	290	OR
1	40CW	26-Jan-00	02:47	34	VE1MT	559	559	LAYTON	1448	NS
1	40CW	26-Jan-00	02:50	35	KQ5U	559	559	TERRY	1603	TX

40CW	26-Jan-00	02:51	36	AB7CE	559	559	ROY 1494	MT
1								
40CW	26-Jan-00	02:52	37	K5LN	559	339	BILL 1794	TX
1								
40CW	26-Jan-00	02:53	38	K07X	559	559	AL 5W	UT
1								
40CW	26-Jan-00	02:54	39	AF5Z	559	579	BOB 984	TX
1								
40CW	26-Jan-00	02:55	40	N0RN	559	559	BOB 1789	CO
1								
40CW	26-Jan-00	02:56	41	K5DW	559	559	DON 2083	TX
1								
40CW	26-Jan-00	02:59	42	KK5NA	559	559	JOE 867	TX
1								
40CW	26-Jan-00	03:01	43	VE6EWM	559	559	EARL 1076	AB
1								
40CW	26-Jan-00	03:02	44	K7RE	559	559	BRIAN 404	AZ
1								
40CW	26-Jan-00	03:04	45	VE5RCR	559	339	BRUCE 88	SC
1								
40CW	26-Jan-00	03:05	46	W5HNS	559	559	HARRY 178	TX
1								
40CW	26-Jan-00	03:08	47	K1MG	559	559	MIKE 614	CA
1								
40CW	26-Jan-00	03:09	48	K7TQ	559	339	RANDY 102	ID
1								
40CW	26-Jan-00	03:11	49	KF2PH	559	449	NICK 13	NY
1								
40CW	26-Jan-00	03:13	50	K7GT	559	339	ALLEN 901	CA
1								

2000 General QSOs K8CV

Band Pts	Date	Time	QSO#	Call	worked	Sent	Rcvd	Name	Qth
----	----	----	----	-----		----	----	----	---
--									-
40CW	26-Jan-00	03:15	51	K5ZTY		559	559	BILL 473	TX
1									
40CW	26-Jan-00	03:17	52	N5IW		559	559	DAVE 1718	TX
1									
40CW	26-Jan-00	03:21	53	VA7NT		559	559	PAUL 20	BC
1									
40CW	26-Jan-00	03:23	54	WE6W		559	229	ED 108	CA
1									
40CW	26-Jan-00	03:25	55	N6WG		559	559	BOB 127	CA

1
 40CW 26-Jan-00 03:28 56 N7RR 559 439 BRUCE 1687 WA
 1
 40CW 26-Jan-00 03:31 57 N7MFB 559 569 BILL 715 WA
 1
 40CW 26-Jan-00 03:34 58 WB6MFS 559 559 JOHN 1501 CA
 1
 40CW 26-Jan-00 03:36 59 AB0GO 559 559 DAVE 785 CO
 1
 40CW 26-Jan-00 03:38 60 K5VUU 559 559 ED 1343 TX
 1

 40CW 26-Jan-00 03:48 61 N0AR 559 559 SCOTT 1455 MN
 1
 40CW 26-Jan-00 03:51 62 N5EN 559 559 STEVE 2071 TX
 1

Walt K8CV Royal Oak, Michigan K-2, original knob and I sneak out to the shack late at night and worry about the PA option!

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 Date: Tue, 25 Jan 2000 22:15:15 -0800
 From: Ed Loranger <we6w@netzero.net>
 To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
 Subject: [61326] Re:Feedline Losses -- Procedure and Closure.
 Message-ID: <388E90F3.EC195718@netzero.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

Hi gang, I've completed my lab notebook notes and compiled the basic test information in order of measurements and math.

Characterize Nominal Impedance at test freq::
 Basically determine the impedance of the transmission line using the formula we all know: $Z_0 = \sqrt{L/C}$ where L and C are in base units.

To measure C, feedline is open at both ends. Connect Autek RF-1 (Antenna Analyzer) to each of the feedline wires. Tune RF-1 to test frequency. If you hold down

FREQ + C it toggles between both. Annotate frequency and Capacitance under heading describing the cable tested.

Now connect the far wires together and measure the inductance. Compute Z_0 at test frequency with formula.

NOTE: I like to test my numbers so I verified with the AADE L/C Meter IIB which gives values at a lower frequency that should be in the ballpark.

Measure line loss using the fixed load method:

Overview: Basically connect the resistor (Load), to your antenna analyzer at the test frequency. This gives you the VSWR the analyzer perceives of the load. Now, if the feedline was perfect, you'd read the same value when you terminate the feedline with the resistor. But the feedline loss improves the match so the VSWR will be lower. Note that the Autek VSWR range is limited so pick a resistor between 150 and 270 Ohms.

Line Loss measurement:

First, measure the length of the feedline and annotate that in your lab notebook. You'll need that for loss/100 feet -- that is a standard.

Ok, you have the VSWR of the load resistor, enter that value in the logbook as SWR_load (S_{load}).

Now solder that resistor at the end of the feedline. Connect the antenna

analyzer to the input of the feedline and measure the INPUT VSWR. Log that as SWR_INPUT (S_{input})

Determine line loss of the feedline when perfectly matched:

$$C = (S_{load} - 1) / (S_{load} + 1)$$

$$A = (S_{input} + 1) / (S_{input} - 1)$$

$$\text{Matched_loss(dB)} = 10 * \text{Log}_{10}(A * C)$$

To computer line loss at other VSWR Loads, such as a mismatched multiband antenna:

Derive Power ratio of the loss dB value:

$$B = 10^{(\text{Matched_loss}/10)}$$

Substituted the desired Load VSWR to evaluate into S_{load} and computer "C" again. So for a VSWR of 10; S_{load} is 10 and $C=9/11$.

Calculate Hi-VSWR line losses:

$$\text{Swr_10_loss} = 10 * \text{Log}_{10} [(B^2 - C^2) / (B * (1 - C^2))]$$

Computer loss per 100 feet.

$(100/\text{Feedlength}) * \text{Matched_loss_measured}$.

Therefore, if the tested feedline is 25 feet, the matched loss for 100 feet is $4 * \text{Matched_loss_measured}$.

Be sure not to add any clips or wires to the resistor to make these measurements or you'll increase errors.

Disclaimer: All this information is contained in Chapter 24, page 13 and 14 of the 15th edition of the ARRL Antenna Hdbk, ready for your perusal.

Wow, there's nothing like 3 or so days of practical application to forever know 2 pages of a book! Only 5 more years to go --Hi!

72 to all. -Ed we6w

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Date: Tue, 25 Jan 2000 22:20:51 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61327] Re: QRP Get Together Wednesday Night
Message-ID: <01bf67c5\$7e1029f0\$0100007f@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Great, Doug
See you there Wed eve
73, Bob N6WG

Date: Wed, 26 Jan 2000 00:44:30 PST
From: "Leon Heller" <leon_heller@hotmail.com>
To: btoback@optc.com, qrp-1@Lehigh.EDU
Subject: [61328] Re: HB: Building Techniques
Message-ID: <20000126084430.73165.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>
>Hi all,
>
>Two questions:
>
>
[deleted]

connections,
> insulation and all -- the insulation was designed to vaporize at
> normal soldering temperatures.
>
> Does anyone know if this tool is still made, and if so, where to
> get it? This is not the same as wire-wrap construction: the
> wire is much thinner, and the connections are actually soldered.
>

These tools and wire are available from Farnell/Newark - the RoadRunner. A similar tool made by Vero is available from Maplin. They are in the UK but can handle export orders.

Leon Heller, G1HSM
Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221
InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,
NN12 6AD, United Kingdom.
Email:leon_heller@hotmail.com
Web page: <http://www.geocities.com/SiliconValley/Code/1835>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 26 Jan 2000 05:14:59 -0500
From: Bill Lazure <blazure@wstm.com>
To: qrp-l@lehigh.edu
Subject: [61329] HB: (Long) Grounding question
Message-ID: <388EC923.7DEB@wstm.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm trying to build an R2 with a different circuit layout than originally designed. Parts placement on original is too close/traces too thin. The original seems to use a single ground point from which all ground connections radiate; grounds that "loop" around a sub-circuit don't meet on the other side.

Would the use of double sided board, using the top side as a continuous ground plane with several connections to the bottom side ground, cause problems? Would noise come up? Would this method be more or less prone to oscillations?

I can see both the logic of single point grounding and plane grounding. What are the advantages/disadvantages to either method? When would one method be preferred over another?

Anyone know?

73,

Bill
W2EB
Syracuse, NY

Date: Wed, 26 Jan 2000 01:15:08 -0800
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.edu
Cc: rattray@gpfn.sk.ca
Subject: [61330] final log 1/21 N7CQR
Message-ID: <v03007841b4b46a9c819a@[216.26.3.224]>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

<fontfamily><param>Helvetica</param><bigger>OK-here's the final with corrections-just wanted to get eveyone their qsos & credit

CALL UTC RST RCV RST Sent SPC Name QRP-L
#/ <color><param>0000,0000,5555</param>

</color><color><param>FFFF,0000,0000</param>
</color></bigger></fontfa=
mily><fontfamily><param>Geneva</param><smaller>
</smaller></fontfamily><fontfamily><param>Helvetica</param><bigger>N7RR
200 =
599` 599 WA Bruce 1688=09
N9AW 202 579 559 WI Jerry 1271=09
K0EVZ 203 569 559 ND Doc 861=09
N6XU 204 599 599 CA Stan 66=09
N0UR 206 599 55N MN Jim 799=09
K0YWD 207 599 559 MT Skip 2003=09
AB5UA 208 559 559 OK Cliff 478=09
K5ZTY 209 559 559 TX Bill 473=09
WW7Y 210 559 559 UT Steve 94=09
WE6W 211 599 599 CA ED 1068=09
AK1P 213 599 559 CA Paul 284=09
N7VE 214 559 559 AZ Dan 696=09
KI0II 215 579 559 CO Ron 928=09
W7ILW 216 559 559 AZ Howard 2010=09
AB7CE 217 559 559 MT Roy 1494=09
NQ7X 219 579 559 AZ Floyd 343=09
W0RSP 220 559 559 SD Ade 661=09
N6WG 221 559 559 CA Bob 26=09
N5TW 222 579 559 TX Tom 1474=09
W0RW 224 559 559 CO Paul 1284=09
KU7Y 225 599 599 NV Ron 17=09

K7RE	226	559	559	AZ	Brian	404=09
K1MG	227	599	599	CA	Mike	614=09
N0DT	229	559	559	MO	Dan	1004=09
VE6EWM	231	559	559	AB	Earl	1076=09
VE5RC	232	339	559	SK	Bruce	886=09
N0EA	233	559	559	MO	Wayne	1058=09
K5AAR	235	559	559	OK	Don	1512=09
N1LN	237	559	559	TX	Bruce	2049=09
K5OI	239	559	559	NM	Tim	73=09
W0CH	240	559	559	MO	Dave	618=09
AB8DF	241	559	559	MI	Ed	1444=09
K8CV	243	559	559	MI	Walt	935=09
WD8KQY	247	559	559	OH	Gary	446=09
W0JOE	250	559	559	MO	Joe	1901=09
W5SB	255	559	559	TX	Bill	1289=09
KE6RS	258	559	559	CA	Ron	1786=09
N4ROA	300	559	559	VA	Dan	970=09
N1TP	304	569	559	FL	Tom	1317=09
KI7MN	307	579	559	AZ	Bob	271=09
AF5Z	308	579	559	TX	Bob	984=09
NV4V	309	559	559	KY	Pete	1721=09
K1JD	311	559	339	RI	John	1945=09
W8SFF	312	559	559	MI	Steve	1288=09
K5OT	313	579	559	OK	Len	2w=09

WS4S 317 569 559 TN Conrad 993=09

NK6A 318 569 559 CA Don 1517=09

KQ5U 319 559 559 Tx Terry 1603=09

K5VUU 321 559 559 TX Ed 1343=09

N0TU 323 599 559 CO Steve 911 </bigger></fontfamily><fontfamily><param>Chica=go</param><smaller>

</smaller></fontfamily><fontfamily><param>Helvetica</param><bigger>W9UQB/73=

26 569 559 AZ Mike 413=09

N5EN 327 559 559 TX Steve 2071=09

KK5LD 334 559 559 TX Dan 2052=09

N0AR 336 559 559 MN Steve 1455=09

KC1FB 343 559 559 CT Jim 29=09

N4XDW 350 559 559 AL Ray 1372=09

K0PC 352 MN 559 559 Pat 1964=09

W2XN 356 FL 559 559 Fred 1728=09

AE2T 358 NY 559 559 Al 1664=09

AF4PS 359 FL 559 559 Mac 704</bigger></fontfamily>

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Wed, 26 Jan 2000 06:19:14 -0700
From: Bruce Grubbs N7CEE <n7cee@arrl.net>
To: qrp-l@LeHigh.edu
Subject: [61331] FYB0: W7TA0 op
Message-ID: <3.0.5.32.20000126061914.009a2180@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello gang,
Once again Scott, K7BUG ex W0XAZ ex K7DHF (sorry, couldn't resist) and I will be doing FYBO from the desert- somewhere in the Verde Valley south of Flagstaff- using the Northern Arizona QRP Association club call, W7TA0. This will be the first FYBO with my new K2.

72 es gl es much fun

Bruce N7CEE
n7cee@arrl.net

Date: Wed, 26 Jan 2000 07:33:29 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: REDSBOY@aol.com
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [61332] Re: Slightly OT: Free Logging Software-Nice!
Message-ID: <Pine.LNX.3.95.1000126072914.29859B-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

right on Karl!....I've been an "EQF" user for 3 years now and it's just what I've been looking for....I've sent a couple of contributions so far and as you say you can't beat the price....the only problem I've had is trying to transfer my Logic3 contacts to EQF and Scott's been working with me on this as there is a problem on the Logic end to be worked out....I'm a VERY satisfied user.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada -AR Stamp Collector- "QRP! How sweet it is!"
"I am da man wit "DAH" paddle!"

Date: Wed, 26 Jan 2000 10:05:11 EST
From: Mercxx@aol.com
To: qrp-l@lehigh.edu
Subject: [61333] Wattmeter/antenna tuner
Message-ID: <f.9efe46.25c06727@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Good morning,

Can anyone recommend a good combination QRP wattmeter /tuner? Any direction would help. Thanks for the bandwidth.

72

Steve

N4TKP

QRP-L #1763

Date: Wed, 26 Jan 2000 09:25:21 -0700
From: "Bergeson, Hal" <Hal.Bergeson@ppcc.cccoes.edu>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61334] Building techniques
Message-ID: <38B64122C3C4D311B4430000F80433E1327084@ppccs1.ppcc.cccoes.edu>
MIME-Version: 1.0
Content-Type: text/plain

Gang:

Recently Robert McConnell inquired about a tool for wrapping wire around the posts of an IC to create a common connection..

I am not acquainted with such a tool, but I have a suggestion for a suitable substitute. Look in a store that sells supplies for fishermen who tie their own fishing flies. A common tool found there is called a "bobbin holder." It consists of a device configured to hold a spool or bobbin of colored thread and a tube through which the thread is routed after it comes off the spool. The fly tier uses the tool to wrap thread or floss around the fishing fly being tied or to create half-hitches to secure material being tied to the fish hook. The only difference I can see is that the tool for tying flies has a smooth and polished end on the tube to avoid cutting or fraying the thread being tied on the fishing fly. It seems that this tool is very much like the one that Robert described and could be adapted for that use.

73, Hal WOMXY Colorado Springs, CO

Date: Wed, 26 Jan 2000 08:27:02 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [61335] Re:Feedline Losses -- Procedure and Closure.
Message-ID: <01bf681a\$2cdc0b80\$a9f1fc9e@ham.earthlink.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed

A very nice piece of work.

I hope you will add it to your web page for others to find and use in the future.

73, Bob N6WG

Date: Wed, 26 Jan 2000 08:33:56 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61336] Q measurement challenge
Message-ID: <01bf681b\$23aded70\$a9f1fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed, WE6W, has done such a fine job of showing us how to check feedlines, I have something that I would like to see figured out.

We all work with coils, and at times the Q is important to the success or failure of the design.

I'd like to see if there is a dependable way to measure Q using devices like the Autek RF-1, VA-1 or the MFJ antenna analyzers.

Anone have a good way?

73, Bob N6WG

Date: Wed, 26 Jan 2000 11:45:16 -0500 (EST)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61337] Gel-Cell Question
Message-ID: <Pine.LNX.4.04.10001261141150.30031-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just "rescued" a dozen Yuasa 12V 2Ah cells from heading to the recycle center. The date code on these is '88 and they have been sitting idle for at LEAST the last two years. Any chance these have any useful life left? I don't want to drag the lot home to charge/test if there isn't any chance they'll work. tnx es 72

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Wed, 26 Jan 2000 09:05:37 -0800 (PST)
From: "James C. Owen, III" <k4cgy_list@yahoo.com>
To: w4bld@juno.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61338] Re: Cliff Dweller Antenna ?
Message-ID: <20000126170537.24086.qmail@web1606.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- w4bld@juno.com wrote:
> Hello Gang - Does anyone know anything about the
> Cliff Dweller Antenna
> and who sells this item. Thanks, Bob
>

Hi Bob,

 You asked this question at just the right time. I just saw a number of new ones being auctioned on ebay this morning. It seems to be a slinky with a nice center feed point. If you want to take a look at the pictures go to ebay and search on the number 245050624. They also give an email address as usa2way@swbell.net Attn: John
 Hope this has helped.

73 Jim K4CGY qrp-l #72

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Wed, 26 Jan 2000 11:15:46 -0600
From: lnrr@juno.com
To: qrp-1@Lehigh.EDU
Subject: [61339] OPERATING: 10 AM QRP?
Message-ID: <20000126.111547.-247469.16.lnrr@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Is there a 10 AM QRP calling frequency? I bought one of the Radio Shack 10 meter mobiles and I've been having a ball.

Short review of the rig - No bells and whistles, but it's a cheap way to have 10 in the car; worth the price.

Bryan Turner W8LN
<http://homestead.juno.com/lnrr/index.html>

HW-8 Ham Transceiver For Sale
<http://homestead.juno.com/lnrr/hw8.html>

Date: Wed, 26 Jan 2000 17:33:05 +0000
From: David Heintzleman <pstrdave@kdsi.net>
To: qrp-1@Lehigh.EDU
Subject: [61340] FISTS
Message-ID: <388F2FD1.ADB10788@kdsi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

link to FISTS club seems to be unusable for a bit - someone pse send
callsign of FISTS qsl bureau person?
Thanks,
Dave K8BBM

Date: Wed, 26 Jan 2000 11:55:16 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <ccart@phideaux.com>, "'Low Power Amateur Radio Discussion'" <qrp-
l@Lehigh.EDU>
Subject: [61341] RE: Gel-Cell Question
Message-ID: <000701bf6826\$811f95c0\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It all depends on how they've been treated. If they were handled roughly as they were being "recycled" then there probably isn't much hope for them. Try charging them slowly. Watch for bulges and heating.

If you find that some act like open circuits, try this CAREFULLY...

Take a small 12v power supply (1 amp or so). Take a test clip and connect the positive side of the battery to the NEGATIVE side of the supply. Take another and connect it to the negative side of the battery and TAP the positive pole of the POWER SUPPLY. (DON'T HOOK TO THE POWER SUPPLY AND TAP THE TERMINAL ON THE BATTERY, hydrogen generated in the battery could explode if sparks result.) Do this a few times and then try charging it again SLOWLY. When these things sit for long periods a layer of water builds up around the plates causing them to be insulated from the electrolyte. The short bursts of reverse polarity tends to stir the vat so to speak. BE VERY CAREFUL DOING THIS! Don't leave them connected backward for more than a 1/2 second or so or you might cause one to blow up in your face.

73/

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Chris Cartwright Sr
> Sent: Wednesday, January 26, 2000 10:45 AM
> To: Low Power Amateur Radio Discussion
> Subject: Gel-Cell Question
>
>
>
> I just "rescued" a dozen Yuasa 12V 2Ah cells from heading to
> the recycle
> center. The date code on these is '88 and they have been
> sitting idle for
> at LEAST the last two years. Any chance these have any

> useful life left?
> I don't want to drag the lot home to charge/test if there
> isn't any chance
> they'll work. tnx es 72
>
> -- Chris Cartwright, Technical Engineer |
> ccart@phideaux.com --
> -- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg,
> MD FM19je --
> -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028
> QRP-ARCI #9271 --
>
>
>

Date: Wed, 26 Jan 2000 13:07:17 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kw1nd@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61342] Re: generator kit
Message-ID: <013b01bf6828\$3e0ec880\$9001a8c0@wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, a hobby shop for one...

I picked up a few for \$1 a piece at the last HAM radio flea market I was at. The guy had trays of them. Sure, they were small, but your talking demo right? Not powering a rig.

I think a lot of the 'R/C race car' motors would work, but you're talking some serious money for those things...

Mike

> At 15:49 00/01/25 -0500, Mike Yetsko wrote:
> >And wouldn't a small 'brush type' DC motor be a 'generator'
>
> And where might one find small, inexpensive, low rpm brush DC motors?
My
> former boss & I did a fair amount of poking around when we were on
road
> trips looking for such things. We wanted them to make small
demonstration

> wind turbines for school presentations.
>
> All we ever came up with were brushless types. For example, every
computer
> power supply-type box fan uses brushless motors, if they're labeled at
all.
>
> I realize the purpose of the original posting might have been for a
larger
> unit, actually capable of producing usable power for a QRP operation.
We
> were after ones that could maybe produce a couple of volts and a
couple
> hundred mA, tops.
>
>
> 72,
>
> Mike Boice, KW1ND
> New Gloucester, Maine FN43uw
>

Date: Wed, 26 Jan 2000 13:28:00 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Hal.Bergeson@ppcc.ccoes.edu
Cc: qrp-l@lehigh.edu
Subject: [61343] Re: Building techniques
Message-ID: <388F3CB0.1528@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hal,

There is a world of difference between your fly tying tool and a wire
wrappng tool. The wire wrap took actually swages teh wire wrap wire to
a post. Its use depends on the tool's ability to actually put pressure
on the wire/post joint to form a bond that is almost as secure as
solder! A fly tying tool would probably be able to handle the task of
mounting a wire wrap wire bobbin but that is all.

73

Date: Wed, 26 Jan 2000 18:42:34 +0000
From: Goran Hosinsky <hosinsky@royac.iac.es>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [61344] Re: WHAT, NO CHART?
Message-ID: <388F401A.8DEEBBA@royac.iac.es>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed,

I wonder if you can use the RF-1 to measure the loss using the formulas $A=(S-1)/(S+1)$ when the feed line Z_0 is not 50 ohm? I think the SWR must be related to the Z_0 of the line, that is for your 175 ohm ribbon line you would need an RF-1 built for 175 ohm impedance. You can probably use the Z-value from the RF-1 display to calculate the SWR for the line you are using though.

I have some interesting silicon covered twin line I want to measure. Is there any special reason for you 37.5' length so that I should cut the line to this value to do the measurements?

Please, collect all of your postings on this subject on your web page, I am not sure I caught all of them!

Saludos

Goran ea8yu

Date: Wed, 26 Jan 2000 11:28:53 -0700 (PDT)
From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
To: Goran Hosinsky <hosinsky@royac.iac.es>
Cc: CLOFGREN@BENSON.MCKENNA.EDU, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61345] Re: WHAT, NO CHART?
Message-ID: <Pine.PMDF.3.96.1000126110541.9126B-1000000@BENSON.MCKENNA.EDU>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII
Content-transfer-encoding: 7BIT

On Wed, 26 Jan 2000, Goran Hosinsky wrote:

> Ed,

> I wonder if you can use the RF-1 to measure the loss
> using the formulas $A = (S-1)/(S+1)$ when the feed line Z_0 is
> not 50 ohm? I think the SWR must be related to the Z_0
> of the line, that is for your 175 ohm ribbon line you
> would need an RF-1 built for 175 ohm impedance.

I believe that's correct. The technique Ed used (from the ARRL Handbook) requires measurement of the SWR on the feedline, and a 50 ohm instrument won't indicate the SWR on a line of some other characteristic impedance. (The 50 ohm instrument will give a reading, of course, but not an accurate one for the SWR on the non-50 ohm line.)

But for line of any Z_0 , you can get the loss figure by another technique:

Take an open $1/4$ wavelength section, or a shorted $1/2$ wavelength section, selecting the length for a frequency near the frequency of interest.

Measure the input impedance at the appropriate $1/4$ wave or $1/2$ wave frequency, which will give a figure of $R + j0$ ohms (or close to $j0$). (If the line were lossless, it would be $0 + j0$ ohms.)

Then apply the formula

$$\text{Loss (dB)} = 8.69 * R_i / Z_0$$

where R_i is the measured input impedance, and Z_0 is the characteristic impedance of the line

(That's from ch. 27, p. 28 of the 17th edition of the ARRL Antenna Book).

Charlie, w6jjz
clofgren@mckenna.edu

You

> can probably use the Z-value from the RF-1 display to
> calculate the SWR for the line you are using though.
>

> I have some interesting silicon covered twin line I
> want to measure. Is there any special reason for you
> 37.5' length so that I should cut the line to this
> value to do the measurements?

>

> Please, collect all of your postings on this subject
> on your web page, I am not sure I caught all of them!

>

> Saludos

> Goran ea8yu

>

Date: Wed, 26 Jan 2000 11:35:43 -0800 (PST)
From: Rod Cercone <n0rc@yahoo.com>
To: qrp-l <qrp-l@Lehigh.EDU>, ncarc@qth.net
Subject: [61346] WM-2 accuracy
Message-ID: <20000126193543.22289.qmail@web901.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Has anyone ever calibrated their WM-2 against an accurate reference?

I think mine is reading low, here is why, using this setup:

NC20 >---< WM-2 >---< MFJ 949E Tuner with 50ohm DL load

^

+--- HP Scope (older 275MHz, 10:1 probe)

>---< = short (<6') RG58 coax

^ = scope probe clipped to NC20 Ant Jack

With the NC20 set for full power, the scope read 56-58Vpp. So,

$$\text{Erms}^2/R = (((56 / 2) * 0.707)^2) / 50 = \sim 7.8W$$

The WM-2 read ~5W

So, "worst case" let's figure 10% low voltage and 10% high DL:

$$\text{Erms}^2/R = (((50.4 / 2) * 0.707)^2) / 55 = \sim 5.8W$$

I measured the DL with a good/newer DMM (HP971) it is 50.3ohms, that puts worst case power estimate to 6.3W

The scope CAL is unknown but it's 3Vpp sig is good.

So I am inclined to call the real power output ~6-7watts, which makes the WM-2 10-20% off.

I hope to find a good reference to CAL my WM-2 against, but that will take some time. For now I just want to get a feeling of how "reasonable" all this sounds, and how it stacks up against others experience. If I do ultimately find that the WM-2 is reading low, what should I look at first to correct it? Everything is set now per CAL instructions in the WM-2 manual.

=====

73, Rod N0RC

Do You Yahoo!?

Talk to your friends online with Yahoo! Messenger.

<http://im.yahoo.com>

Date: Wed, 26 Jan 2000 14:45:03 -0500

From: "Christopher Cox" <cobox@urec.net>

To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>

Subject: [61347] Re: generator kit

Message-ID: <20000126193051921.AAA272@charlie.logan.net@cbx-nt>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

I found a device sitting in my junk pile that:

Has a easy attachment device to connect a hand crank to.

Transmission to up the RPM rate

Brush's

It is called a drill..... :-)

I am ripping out the speed control to see just what its generating capacity
is.

Regards

Christopher Cox

KC8FRJ

Date: Wed, 26 Jan 2000 11:39:49 -0700 (PDT)

From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>

To: Goran Hosinsky <hosinsky@royac.iac.es>

Cc: CLOFGREN@BENSON.MCKENNA.EDU, Low Power Amateur Radio Discussion <qrp-
l@Lehigh.EDU>

Subject: [61348] Re: WHAT, NO CHART?

Message-ID: <Pine.PMDF.3.96.1000126113250.9126C-1000000@BENSON.MCKENNA.EDU>

MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII
Content-transfer-encoding: 7BIT

Goran and all--

It the note I just sent, I mistakenly wrote Ed took his technique from the ARRL Handbook. I should have said ARRL Antenna Book.

And for the other technique for loss measurement, the line length has to account of velocity factor.

Charlie, w6jjz
clofgren@mckenna.edu

On Wed, 26 Jan 2000, Charlie Lofgren wrote:

>
>
>
> On Wed, 26 Jan 2000, Goran Hosinsky wrote:
>
> > Ed,
> > I wonder if you can use the RF-1 to measure the loss
> > using the formulas $A=(S-1)/(S+1)$ when the feed line Z_0 is
> > not 50 ohm? I think the SWR must be related to the Z_0
> > of the line, that is for your 175 ohm ribbon line you
> > would need an RF-1 built for 175 ohm impedance.
>
> I believe that's correct. The technique Ed used (from the ARRL Handbook)
> requires measurement of the SWR on the feedline, and a 50 ohm instrument
> won't indicate the SWR on a line of some other characteristic impedance.
> (The 50 ohm instrument will give a reading, of course, but not an accurate
> one for the SWR on the non-50 ohm line.)
>
> But for line of any Z_0 , you can get the loss figure by another technique:
>
> Take an open $1/4$ wavelength section, or a shorted $1/2$ wavelength section,
> selecting the length for a frequency near the frequency of interest.
>
> Measure the input impedance at the appropriate $1/4$ wave or $1/2$ wave
> frequency, which will give a figure of $R+jX$ ohms (or close to jX). (If
> the line were lossless, it would be $0+jX$ ohms.)
>
> Then apply the formula
>
> Loss (dB) = $8.69 \times R_i / Z_0$

>
> where Ri is the measured input impedance, and Zo is the characteristic
> impedance of the line
>
> (That's from ch. 27, p. 28 of the 17th edition of the ARRL Antenna Book).
>
> Charlie, w6jjz
> clofgren@mckenna.edu
>
>
> You
> > can probably use the Z-value from the RF-1 display to
> > calculate the SWR for the line you are using though.
> >
> > I have some interesting silicon covered twin line I
> > want to measure. Is there any special reason for you
> > 37.5' length so that I should cut the line to this
> > value to do the measurements?
> >
> > Please, collect all of your postings on this subject
> > on your web page, I am not sure I caught all of them!
> >
> > Saludos
> > Goran ea8yu
> >
>
>

Date: Wed, 26 Jan 2000 13:48:23 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-1@Lehigh.EDU
Subject: [61349] 160 RFI Sources
Message-ID: <3.0.2.32.20000126134823.007b4190@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPLers and all,

For some time, I've been hearing a couple of raspy-sounding carriers around 1809 and 1811. They sound like square-wave generated signals and drift around a bit.

I started unplugging things and found one of them. It was the switching power supply for my laptop plugged in at my radio station. The other one

is still there. Unplugging everything in the house except the radio station didn't help. I can also disconnect the antenna and the carrier goes away.

When I plugged in my electric shaver to charge it, I found another one. This one changed frequency rapidly and swept through the frequency I was listening to. This charger also generates considerable RFI on Six meters. I had found this one before when I thought I was getting interference from an electric fence. I went outside with an antenna and receiver and found the source was in my house.

I've also found that my central heating system causes RFI. I can't tell whether it's coming from the control circuits inside the central unit or from the electronic thermostat.

Anyway, I can't seem to localize the remaining carrier that I hear around 1809 which is quite broad. I can eliminate most of its effect by using the narrow filter. It's still there outside the filter though and creating additional problems by adding to the atmospheric and power line noise.

Any ideas and/or suggestions greatly appreciated.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Wed, 26 Jan 2000 15:09:20 -0500 (EST)
From: Joel Malman <malman@world.std.com>
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [61350] NorCal Paddle Kit
Message-ID: <200001262009.PAA08149@world.std.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If the OM who was looking for a NorCal Paddle Kit, last week, is still looking for a Paddle Kit, please contact me via private E-Mail at: malman@world.std.com

--
/joel K1QM (K1 Queen Mary) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Wed, 26 Jan 2000 12:47:16 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61351] Re:Feedline Loss Measurements.
Message-ID: <388F5D54.69C87FB9@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi friends, I just saw some questions regarding measurement impedance etc.

I had thought over these last night and am pleased I'm not alone.

However, I don't believe the transmission line impedance is a matter of concern.

The VSWR is the ratio of E_{max} to E_{min} of the standing wave on the line composed of both a forward and reflected wave.

If you short or open any transmission line with an input voltage of 1 volt, E_{max} is 2 Volts and E_{min} is 1 volt. Basically there are two signals, a 1 volt forward and 1 volt backward voltage. Where the peaks match, you get $1V+1V=2$ Volts. And where the dips match, you get $1V-1V=0$ Volts. A perfect line.

A lossy line will have <2 Volts peak and >0 Volts minimum.

Now, if you have a known reflection coefficient measured for the resistor used, then you have the expected E_{max} and E_{min} Values to be measured by the RF-1 antenna analyzer reduced only by line losses.

The only affect the feedline impedance has is on the reduction of power transfer from the RF-1 to the load. The resultant E_{max} to E_{min} ratio remains the same regardless.

In other words, if you input a power and know what the reflected power is supposed to be, then anything less than expected is the loss.

I think. :)

--

-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP
http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Wed, 26 Jan 2000 14:47:02 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61352] 160m RFI
Message-ID: <0974781F4FC8D211A24600902727E80624E557@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Here is another source.

Your neighbors TV or your own. I am lucky living in the country. So far, my neighbors TV doesn't cause me any problems, but my own does. If the wife is watching TV and I am trying to work stations around 1.810, there is a broad signal that tends to mask the very weak QRP signals. I have to tell her that she can either shut the TV off or I'll move my ham shack to the other side of the pond.....anyone know a good mover?

When I lived in the city, many times I would find that one of my neighbors had a TV that was broadcasting a very loud signal. With alot of effort on my part, I have managed to get the FCC to write a letter of cooperation to my neighbor.....I'll stay off of the radio from 6am until 12 midnight and they can't turn on their TV from midnight until 6 am.

Hal - WB9VMY

Date: Wed, 26 Jan 2000 15:50:06 -0500
From: "Franco, Nicholas J" <franco@bnl.gov>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61353] FOX Alert: Official Warning - Just the Facts
Message-ID: <698DB793D712D31180B600902746422D50BB90@exchange01.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

OK Gang,

This is the official "day before" warning of the Fox schedule.

I will be your Fox tomorrow night from 0200-0400 UTC 01/28/00 UTC
01/27/00 - 2100-2300 EST

Exchange will be the standard: RST SPC NAME QRP-L#

I will send your callsign, my exchange info, your callsign again and turn it over to you.

I will begin operation on or about 7.043 TX and will be scanning + - 2kHz. Obviously if the desired freq is in use I will have to establish another. I will try to stay on this TX freq. unless it really gets bad out there.

I will be running 5 watts on my Icom 728 to the Butternut HF6V vertical. Last night showed the vertical to be more favorable for the condx. I have a wire antler waiting in the trees just in case. This morning it was encased in ice and about 1" thick :-)

I think I will be using the tried and true paper and pencil log technique and will run less than 25 WPM at all times.

Main Objective: To have fun. Secondary Objective: To really have fun. I plan on spending two fun hours listening to all the familiar call from this great list and meeting a bunch of new QRP-L members. I will QSL everyone via the Fox Buro - which I think is one of the greatest gestures the Cheeseheads could have thought of. Thanks guys!

72 es see you in hunt.

KF2PH NY NICK NR-13 . .

--
Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator Collider-Accelerator Department
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-2833 Ham Call: KF2PH
<mailto:nickf@bnl.gov> <http://www.rhichome.bnl.gov/People/franco>

Date: Thu, 27 Jan 2000 07:52:43 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61354] Re: Q measurement challenge
Message-ID: <388F5E9B.B3630A14@integritynet.com.au>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Tellefsen wrote:

> Ed, WE6W, has done such a fine job of showing us how to check feedlines,
delete

> I'd like to see if there is a dependable way to measure Q using devices like
> the Autek

Now there is a challenge for Neil of AADE fame

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E
My FREE Newsletter:- <mailto:vk2tip@qsl.net?Subject=Subscribe>
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/>

Date: Wed, 26 Jan 2000 16:09:34 -0500
From: "Larry H. Lyda" <wa4pjp@volstate.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [61355] ARCI Board of Director elections
Message-ID: <002801bf6841\$a6d4f380\$1e338cd1@larry>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just voted online for the QRP-ARCI Board of Directors. I went to the website and bam!! the vote was painless and easy. This is definitely the way to vote. No more forgetting to mail the ballots.

TNX & 73

Larry H. Lyda

WA4PJP Home Page
<http://www.volstate.net/~wa4pjp/wa4pjp.htm>

Date: Wed, 26 Jan 2000 16:13:15 -0500 (EST)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61356] Re: Gel-Cell Question... TNX
Message-ID: <Pine.LNX.4.04.10001261610140.32748-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks for all the replys on the 12 year old gels cells. The voting was about 50-50 between, don't bother, and give 'em a shot. So I guess they go home for some testing. I can't use all ten of 'em, so if they fly, they'll end up on here for the cost of the shipping :) tnx all es 72

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Wed, 26 Jan 2000 16:20:44 -0500
From: DENNYV@CLARITYCONNECT.COM
To: QRP-L@Lehigh.edu
Subject: [61357] F.S. 2N2222 transistors
Message-ID: <1263200852-11750457@smtp.clarityconnect.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: Quoted-Printable

While cleaning the basement I discovered a somewhat large number of these "cockroaches of the solid state world" feasting on some old leftover parity bits. These are the T0-18 metal case type. Anyway here's the deal 2= 5/\$5.00 or 50/\$9.00 postage paid. Drop me an email and let me know your order and I'll reserve it=20

Dennis Voorhees AD30
712 North Elmer Ave
Sayre, Pa 18840-1804

These are not the 2N2222A version which has a slightly higher spec, but I=

sold a number of these several years ago and had no complaints.

Date: Wed, 26 Jan 2000 15:29:56 -0600
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-1@lehigh.edu
Subject: [61358] Elmers in PA?
Message-ID: <4.1.20000126152800.009fff10@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Dennis Voorhees AD30
>712 North Elmer Ave
>Sayre, Pa 18840-1804

Well, if you live in Sayre and need help building your new rig, finding an "Elmer" could not be easier :-)

Ed, N5EM

Date: Wed, 26 Jan 2000 16:49:34 -0500
From: "Mike Pupeza" <mpupeza@softecsys.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61359] Which is best chargeable Battery Pack!
Message-ID: <000701bf6847\$3db804e0\$245665d1@palmnet.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I guess that I missed the threads on the best deals on portable battery packs, suitable for QRP equipment in the field. I didn't need one at the time, now I'm interested.

Ain't that always the way?

I'm looking to buy one of those encased battery packs with handle, charger, Cigarette Lighter power socket, and a 12V gel-cell battery of 7 Amp/hrs or greater. Preferably one that can come apart to replace the battery.

I've seen them in Walmart and Sporting Goods stores, but never paid much attention.

I want to be able to run my NorCal Cascade, LDG Tuner, or my Laptop through a Statpower AC adapter.

Where are the 'best' deals?

Thanks es 72, 73

Mike Pupeza VE3EQP

Date: Wed, 26 Jan 2000 16:51:20 EST
From: EHolt12334@aol.com
To: qrp-l@lehigh.edu
Subject: [61360] Small Transportable Antenna
Message-ID: <2d.723d5d.25c0c658@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Gang,

Even though I have been monitoring the Thread for a few months and enjoy the discussions immensely, this is my first post. I have a trip coming up soon to the great northwest and would like to take along my rig. I am not going to have much room so I thought I would just take along my SW-20 rig with a MFJ 16010 Tuner and key. To keep the size of the antenna down, I have opted for a random wire.

I have run this set up before, 85 feet wire with 17feet of counterpoise with some success. Since the tuner has the PL-259 connections only I was giving some thought to rigging up a 17 feet peice of RG-58 and splice in a random wire to the center connector to complete the 85 foot random wire and let the ground braid of the RG-58 (Not terminated) act as the counterpoise. Has anyone ever tried this with any success? Don't know the theory behind it, and would appreciate any comments if someone does. My thinking is there may be some differences in the lengths or that the counterpoise may render the whole thing ineffecient. Any comments would be appreciated.

73 DE Bill, AB5XQ, QRP-L #2051

Date: Wed, 26 Jan 2000 15:36:59 -0700
From: Lee Pruiett <pruiett@totacc.com>
To: qrp-l@lehigh.edu
Subject: [61361] F.S. Shack Cleaning
Message-ID: <3.0.6.32.20000126153659.007a82b0@totacc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

1. WM-20 QRP 20 meter SSB transceiver board kit (built) in radio shack cabinet \$75.00
2. TenTec Delta 580 with optional noise blanker and 283 remote VFO \$350.00
3. DSP 40 radio shack digital signal processor \$25.00
4. 2 meter FM 30 watt amplifier for HT \$25.00
5. MFJ-401C Econo keyer II \$25.00

email: pruitt@totacc.com

phone: (505) 527-1976

Thanks 73 Lee Pruitt KM5MC

Date: Wed, 26 Jan 2000 17:29:50 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: EHolt12334@aol.com
Cc: qrp-1@lehigh.edu
Subject: [61362] Re: Small Transportable Antenna
Message-ID: <388F755E.483B@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill,

Why go through all the trouble? Go to Radio Shack or any other electronic parts store and buy 1 each bannana plug, color optional, and 1 each crocodile type clip in the large size.

Connect your 85 foot wire to the bannana jack and coil it up. You may put it in a plastic bag for tavel. Connect one end of your 17 foot counterpoise wire to the crocodile clip. Tape up the far end of that wire. You may put this on in another plastic bag for travel.

When you are ready to operate connect the antenna to the center of the coax connector - the bannana plug is a perfect fit. Connect the counterpoise to the tuner by clipping it to the outer shell of the coax connector (you got a big one didn't you) and get on with it. You can also connect the counterpoise to the rig.

You only need one piece of coax, the one between the rig and the tuner.
I have used a system like this for 18 years - it works.

73

Date: Wed, 26 Jan 2000 14:52:47 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61363] QRQ Net Survey.
Message-ID: <388F7ABF.CB33BA69@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang, the QRQ Low-end practice has been a bit weak.
The QRQ Hi-end and Low-end nets happen on Sunday, USA
date.

I'd like to cancel this net if we don't have anyone
wanting to check in at 6 PM Pacific time on 7039 KHz
for 13 thru 24 WPM sending practice.

If you want to check in, and can, let me know and
I'll keep it running.

The alternative is suggested by Ben/NW7DX who asked
the QRQ-Hi-end practice, 18-40+ WPM be moved to
6 PM PST Sunday.

--

-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Wed, 26 Jan 2000 17:53:40 -0500 (EST)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61364] Gold Mercury Paddle
Message-ID: <Pine.LNX.4.04.10001261746470.32748-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There is a Gold Plated N2DAN Mercury Paddle listed on an auction site that
will remain nameless. I already have #214, but if someone has a LARGE

wallet and wants "#0001 SPECIAL", take a look. The awful thing is that is says it's never been used, what a shame.

I have no interest in this other than to have spent the last year trying to contact owners of original N2DAN Mercurys, when and where I find them, to keep track of these very special pieces of gear. 72

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Wed, 26 Jan 2000 15:05:19 -0800
From: "Harsha K" <bravado@angelfire.com>
To: qrp-l@Lehigh.EDU
Subject: [61365] Re: Building the Emtech NW-40
Message-ID: <LKJIKDFJEDNCAAAA@angelfire.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

Hi All,

Thank you very much once again for the overwhelming response to my posting and for everyone who offered to help me out in case I had any questions/ran-into problems while building the NW40 kit (which right now is collecting dust in my living room). Unfortunately I did not get any specific info on any web site/URL that anyone has put up to share their experience of building the NW40 (in stark contrast to several useful info resources available for someone building the DSW kits for starters like me). Also, none of the responses came from anyone here in Oregon.

Oh boy, have I had a hard time trying to find an "elmer" here in Oregon ! I wonder now if the NW40 was a good choice at all for someone building their very first xcvr !

Anyway, thanks to all for offering to help with the questions.

73s,
Harsha

Angelfire for your free web-based e-mail. <http://www.angelfire.com>

Date: Wed, 26 Jan 2000 18:20:58 -0500
From: "The One and Only!" <mitch96@pobox.com>
To: ccart@phideaux.com
Cc: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [61366] Re: Gold Mercury Paddle
Message-ID: <388F815A.BF2702A0@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Chris,

Rumor has it that Number One gold plated N2dan Merc went to the late King Hussein of Jordan. Makes sense the might want to dump it. Was the King a CW person?? Wonder if it has his call on it, that would be neat!! If someone wants a gold plated Merc replica, I know where you can get one for ALOT less. I saw #13 the other month, non chrome in raw brass.and looked kinda "bulky" and was in rough shape.

later man,
mitch ww4ml

>

> There is a Gold Plated N2DAN Mercury Paddle listed on an auction site that
> will remain nameless. I already have #214, but if someone has a LARGE
> wallet and wants "#0001 SPECIAL", take a look. The awful thing is that is
> says it's never been used, what a shame.

Date: Wed, 26 Jan 2000 17:40:33 -0500
From: "Mike Duke" <k5xu@concentric.net>
To: <lnrr@juno.com>
Cc: "qrp" <qrp-1@lehigh.edu>
Subject: [61367] Re: OPERATING: 10 AM QRP?
Message-ID: <00ef01bf684e\$e07a1c20\$624aadce@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi, Bryan and others who may be interested in 10 meter AM.

last year when the 11-2-10 conversion was a hot topic, some of us used 29.060, and some 29.065.

The advantage of 29.065 is that anyone using older converted CB rigs with the channel 9 priority can take advantage of it on this frequency if they simply moved the rig up 2 MHz.

I too now have an HTX-10, and love it. I made many AM qsos over the holidays, and it works very well. It does run a little warm if you make an "old buzzard" transmission.

One other comment, on SSB, its noise blanker beats the one in my Kenwood 570.

73,
Mike, K5XU

End of QRP-L Digest 1712
